

2/25/2017

J LALLY

Data Needs	Testing Standard		Remedial Design Component	
	ASTM	COE ¹	Dredgeability ²	Potential Cover / Cap ³
Geotechnical / Physical	This said			000
Appearance (consistency, smell, color)	Visual, D3213, D2488	~~	*	*
Visual stratification between clean / contaminated	Visual	AZAL I I I I I I I I I I I I I I I I I I I	*	MONTH AND
Bulk Density (or unit weight)	D653, D2937		*	*
Solids Fraction (solids content by weight)		***************************************	*	*
Weight fraction (percent sand, etc by weight)	D422		**************************************	*
Volume fraction (percent sand, etc by volume)	D2488		*	*
Debris, Cohougs, Obstructions	DZ-00	Add Protest with the Beautiful Addition of the	*	*
Pore Water Salinity	D4542	NAME OF THE PERSON OF THE PERS	***************************************	*
	D653, D2974	-fake	*	
Organic content Specific Gravity of solids	D854	IV	*	*
Dry density (or dry unit weight)	3653	IV		*
Saturated unit weight	153	VANAGE	and a Dervice of Management	*
Poisson's Ratio	38	0.00.00.00.00.00.00.00.00.00.00.00.00.0		***************************************
Young's Modulus	entrated and the second			*
Toung's Mounts	CIA, 136, D421, 22	00000000000000000000000000000000000000	200000	WALDER # 100 PER
Grain size analysis (sieve and hydrome	D114 2217, [)22		*	*
Classification (gravels, sands, silts, clay weight be and	C117, 40, 7 87,			
hydrometer)	Para G		*	*
Median grain size (D ₅₀ , by weight)	C136, D422	====\$\(\partial \)	*	*
Grain angularity and shape	D2488	24	*	*
Atterberg limits (PI, LL) for cohesive materials	D421, D4318	[]]	*	*
Water content by solids weight	D2216, D4643, D653		*	*
Porosity (Voids volume/total volume)	D653	XX.W0377.	*	*
Void ratio (Voids volume/solids volume)	D653	*****	*	*
Unit weight of water			*	
Hydraulic Conductivity	D5084	###.W/#.IJ000000000000000000000000000000000000		*
Shear strength of soft cohesive materials (Torvane, Pocket	D4767, D4648, D2850,	4446		
Penetrometer)	D2573(in situ), PIANC		*	*
Consolidation	D 2435	VIII		*
Angle of repose for slope stability	D653	>*************************************	*	*
Permeability	D6527, D2434	VII		*

Notes:

¹ EM-1110-2-1906 ² Includes Dredging, Excavation, Transport, Residuals Management, Process Design ³ Includes Potential Residual Cover, Backfill, In-Situ Treatment / Amendment, RCM, Engineered Cap Design

Data Needs	Testing	Standard	Remedial Design Component	
	ASTM	COE ¹	Dredgeability ²	Potential Cover / Cap ³
Hydrodynamic Modeling for Erosion Analyses				*
Establish Design Storm recurrence intervals				*
Bathymetry scenarios				*
Water level, tides, SLR				*
River inflow				*
Bottom roughness				*
Windspeed and direction				
Wave regime				
Bottom currents				
				*
Vessel Scour				*
Propwash modeling Grounding / anchor drag characterization			······	*
Grounding / anchor drag characterization				
Ice Scour				
Ice scour mechanism characterization				*
Contaminant Release Mechanisms				*
Advection	**************************************		A0000000000000000000000000000000000000	*
Diffusion				*
Gas ebullition				*
Bioturbation			00000000000000000000000000000000000000	*
Contaminant Transformation				
Degradation by natural processes				*
Sorption / reaction capacity of active material		100000000000000000000000000000000000000		*
Groundwater flux				*
Benthic Flux Chamber				*
Pore Water Probe			***************************************	*
Physical Stability				*
Bearing Capacity				*
Slope Stability				*
Consolidation				*
Other				
Dredging Elutriate Test			*	
Hydrogen Sulfide (H ₂ S)			*	
STFATE / LTFATE (LHCC CAP)		and the state of t		*
Biofouling			/0x850x4	*
Ecological Function / Habitat Goals				*
Imported Material Sources				*
imported iviaterial sources		-		